

# Zachary DeFazio

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## Education

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**Purdue University, West Lafayette IN**

2022-2026

**GPA: 4.0/4.0**

Pursuing Bachelor's Degree in **Computer Science Honors**

*Relevant Classes:*

- Multivariate Calculus, Programming in C, Foundations of Computer Science, Introduction To Statistics

**Bergen County Academies, Hackensack NJ**

2018-2022

Academy for Technology and Computer Science

**GPA: 3.92/4.0, SAT: 1560**

*AP Computer Science A: 5, AP Calculus AB: 5, AP Psychology: 5, AP Statistics: 5*

*Relevant Classes:*

- Math Foundations of Computer Science, Cybersecurity, Computational Theory, Linear Algebra and Differential Equations

## Skills

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- **Proficient in** Java, Python, C, C#, C++, HTML, CSS, Node.js, Express, \*nix systems, x86, GDB
- **Understanding of** troubleshooting, reverse engineering, and tech support

## Experience

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**Tutor at PowerTutors 100**

2022-Present

- Tutor elementary to high school aged students through virtual tutoring website
- Teach math up to Calculus I in addition to SAT content

**Mentee in Launchpad**

2022

- Selected to be a part of coding mentor program
- Created a simple graphics engine from scratch using C++ and Vulkan SDK

- Intern at **Morloc LLC** *2021-2022*
- Developed matrix libraries for prototype functional programming language
  - Tested new features and helped with bug fixes
- Developer of **BCAVAM** *2021-2022*
- Created interactive website to display art for school's art academy
  - Utilized HTML and CSS for web design and NODE.js, Javascript, and Express for interactivity and backend
- Camp Counselor at **Little Ivy Academy** *Summer of 2021*
- Led classes of 2-3 graders and 5-8 graders
  - Taught game development in Scratch and basic web development with HTML
- Camp Counselor at **Edgewood Country Club** *Summers of 2020-21*
- Responsible for children ages 6-8
  - Supervision various activities including sports, swimming, pick up, drop up, etc.
- Volunteer at **Allendale Community for Senior Living** *2020-2022*
- Assisted the recreation department
  - Helped the seniors with meals, church service, and other events
- Intern at **Command Web Offset Printing** *Summer of 2019*
- Worked with programmers to help complete daily tasks
  - Assigned to code a program in C# for the head of IT

## Awards

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- *National Merit Finalist*
- *AP Scholar*
- *Placed top 10% nationally and top 5% of high schoolers in BCACTF 3.0*